

CLAIMS

1. (Currently Amended) A mobile device, comprising:

a positioner configured to determine geographic position information related to the device;
and

~~a transceiver assigned a unique mobile number by a wireless communication system in
which the device operates, said transceiver being communicatively coupled to the
positioner and configured to receive position requests directed to the mobile number and
to transmit the position information in response to the position requests, wherein the
transceiver continuously transmits a tone in response to a received position request if
the positioner is unable to determine the position information, and further wherein the
tone is used for determining the position information~~

a transceiver communicatively coupled to the positioner and having a unique mobile number
assigned by a wireless communications system in which the mobile device operates, the
transceiver being configured to:

receive a position request directed to the unique mobile number;

transmit the geographic position information if the positioner is able to determine the
geographic position information; and

continuously transmit a tone if the positioner is not able to determine the geographic
position information.

2. (Original) The device of claim 1, wherein the positioner comprises a GPS receiver.

3. (Canceled)

4. (Original) The device of claim 1, wherein the positioner and the transceiver are included on a removable card installed in the device.

5. (Original) The device of claim 1, wherein the transceiver is a wireless transceiver.

6. (Original) The device of claim 5, wherein the wireless transceiver is configured to transmit and receive information using at least one of the following communication protocols: CDMA, TDMA, GSM, and WCDMA.

7. (Original) The device of claim 1, further comprising a first power source and a second power source, wherein the first power source is configured to supply power to the device, and wherein the second power source is configured to continuously supply power to the positioner and to the transceiver.

8. (Original) The device of claim 1, further comprising a first power source and a second power source, wherein the first power source is configured to supply power to the device, including the positioner and the transceiver, and wherein the second power source is configured to supply power to the positioner and the transceiver whenever the first power source is unavailable.

9. (Original) The device of claim 1, wherein the positioner is a positioner IC and the transceiver is a transceiver IC.

10. (Original) The device of claim 1, wherein the positioner and transceiver are both incorporated in a location IC.

11. (Currently Amended) A wireless communication system comprising at least one network node and a plurality of wireless devices, ~~the wireless communication system configured to associate a mobile number with each device,~~ each device comprising:

a positioner configured to determine position information related to the device; and
~~a transceiver communicatively coupled to the positioner, said transceiver being configured to receive position requests directed to the respective mobile number assigned to the particular device and to transmit the position information in response to the position requests, wherein the transceiver continuously transmits a tone in response to a received position request if the positioner is unable to determine the position information, and further wherein the wireless communication system uses the tone to determine the position information~~

a transceiver communicatively coupled to the positioner and having a unique mobile number assigned by the wireless communications system, the transceiver being configured to:
receive a position request;
transmit the geographic position information if the positioner is able to determine the geographic position information; and
continuously transmit a tone if the positioner is not able to determine the geographic position information, wherein the wireless communications system determines the geographic position of the transceiver based on the transmitted tone.

12. (Original) The wireless communication system of claim 11, wherein a transceiver within a particular device is activated when a call is placed through the wireless communication system to the mobile number associated with the device, and wherein the location transceiver is configured to obtain position information from the positioner, and to continuously transmit the position information to the network node, as soon as the location transceiver is activated.

13. (Original) The wireless communication system of claim 12, wherein the network node is configured to route the position information to a location control center.

14. (Original) The wireless communication system of claim 13, wherein the location control center is configured to generate a map, and to locate a respective device on the map, based on received position information from the device.

15 - 18. (Canceled)

19. (Currently Amended) A method of determining geographic position information of a mobile device that is communicatively coupled to a wireless communication system comprising:

receiving a position request at the mobile device;

~~determining the geographic position information at the mobile device; and~~

~~if the geographic position information cannot be determined at the mobile device,~~

~~continuously transmitting a tone from the mobile device to the wireless communication system that in turn uses the tone to determine the geographic position information via triangulation~~

if the mobile device is able to determine its geographic position information, transmitting the

geographic position information to the wireless communications system; and

if the mobile device is not able to determine the geographic position information,

continuously transmitting a tone to the wireless communications system, wherein the

wireless communications system uses the transmitted tone to triangulate the geographic location of the mobile device.